massDOT
Massachusetts Department of Transportation
Aeronautics Division

Aeronautics Division
Programs and Initiatives

Monday May 14, 2018

Presented to:
Board of Directors

Presented by:
Aeronautics Division
- Dr. Jeff DeCarlo

2018 Aeronautics Pavement Projects

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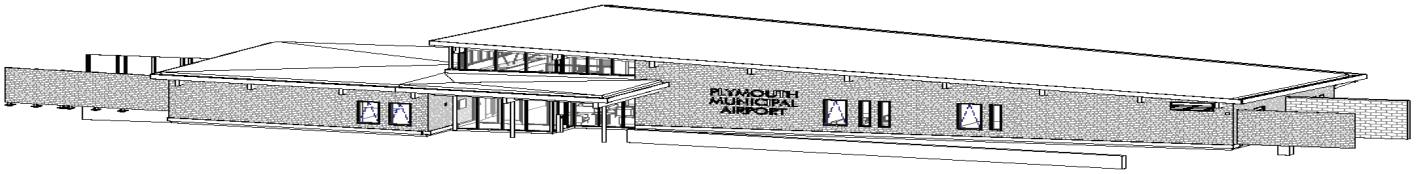
- Reconstruct Runway 8-26 and Runway 14-32 at Pittsfield Municipal Airport began on April 30th. Airport will be closed during construction for 85 days.
- Reconstruct Runway 14-32 at New Bedford Regional Airport.
- Reconstruct aircraft parking apron at Southbridge Municipal Airport. Phase 1 will be completed by June 30, 2018.
- Statewide Crack Seal and Pavement Markings Project at Seven Public Use Airports is scheduled to begin May 9, 2018 work will be completed by June 30, 2018.

2018 Statewide Airport Administration Building Program

- Construction is scheduled to begin on May 23, 2018 for the new Administration Building at Plymouth Municipal Airport.



- The Relocation and Adaptive Re-use of an existing Doctor's Office Building is to be moved approximately 600 feet and renovated to house the airport Administrative Offices at Harriman and West Airport in North Adams. The project is scheduled to bid in July 2018.
- The Buildout of the Norwood Memorial Airport Snow Removal Equipment (SRE) Building includes Airport Administrative Offices. The project is scheduled to be bid in July of 2018.

2018 Real World Design Challenge - STEM

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- The Real World Design Challenge (RWDC) is an annual high school competition run by a public-private partnership with the goal of increasing the Science, Technology, Engineering, and Mathematics (STEM) workforce.
- Students first compete in a state level competition. The team with the best design is invited to Washington, DC to compete in the national finals.
- Winchester High School is the RWDC State Champion and was selected as the National Merit Award recipient for “Most Creative” for their agricultural drone design in 2018.
- The students and their coach will be recognized for their achievements at the MAMA on the Hill Day scheduled for May 23rd at the State House

Massachusetts Cultivates Workforce Development In Aircraft Maintenance

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- Boeing forecasts an industry shortage of 648,000 aircraft mechanics over the next 20 years.
- The growing demand for aircraft mechanics will outstrip the available supply by 2022.
- By 2028, there will be 10 percent fewer mechanics in the workforce than needed.
- Aircraft Maintenance Technology (AMT) programs create a pathway for careers with significant advancement potential
- Salaries average $60,000/yr. and continue to rise as older mechanics approach retirement age.
- Airlines are waiting for graduates to start filling these critical needs in numerous sectors of the aviation industry.

Massachusetts Cultivates Workforce Development In Aircraft Maintenance

Westfield Technical Academy (WTA)

- The AMT program for high school students is only the third of its kind in the country.
- The program includes both lecture and hands-on training in labs and on aircraft to meet the requirements of FAA Part 147 certification.
- Gulfstream has already offered jobs to three graduating seniors, contingent upon obtaining their A&P license.

Cape Cod Community College (CCCC)

- The AMT program at Plymouth Municipal Airport includes 1,950 hours of FAA training toward an A&P license, and offers an Associates of Applied Science degree to students who complete three additional general education courses.

National Aviation Academy (NAA)

- Offers training at Stow Airport toward an A&P license, and an Associates of Applied Science degree through their partnership with Middlesex Community College.